



Stantec

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September 19, 2008
File: LV2008008

Kentucky Office of the 911 Coordinator/CMRS Board
200 Mero Street
Frankfort, KY 40622

Attention: Mr. David Lucas

Dear Mr. Lucas:

**Reference: CMRS Geospatial Audit
Kentucky State Police Post 16 - Henderson
8415 US 41 South
Henderson, KY 42419**

The Geospatial Audit of Kentucky State Police Post 16 - Henderson located in Henderson County was conducted on 8/20/2008. Kentucky State Police Post 16 - Henderson provides wireless 9-1-1 service for UNION COUNTY.

PSAP MAPPING SUMMARY

Information on the mapping solution employed by the PSAP was collected as part of the audit process, which includes the type of software and system, the vendor, the version and the layers being used at the time of the audit. In addition, this summary may include notes and observations taken while conducting the audit. 202 KAR 6:100 specifies the requirements of mapping software used in certified PSAPs. The software used by Kentucky State Police Post 16 - Henderson does not meet this requirement.

FIELD DATA TESTING

In accordance to the requirements of the Geospatial Audit, 20 random points for jurisdiction of the PSAP or for each county served by the PSAP were tested by collecting field GPS information and address information and comparing the results of plotting the two elements with the 9-1-1 solution employed by the PSAP. The result of this portion of the audit is that 0% of the points tested met the criteria of the Audit. Passing criteria is that 90% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 4.

WIRELESS 9-1-1 FUNCTION

In accordance to the requirements of the Geospatial Audit, 20 wireless 9-1-1 calls were documented for data, software, and mapping function. The result of this portion of the audit is that 100% of the calls documented met the criteria of the Audit. Passing criteria is that 66% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 3.

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Reference: CMRS Geospatial Audit

CONCLUSION

Mapping Component	<u>Does not meet audit criteria</u>
Field Data Component	<u>Does not meet audit criteria with</u> 0% of points tested meeting criteria
Wireless Data Component	<u>Meets audit criteria with</u> 100% of calls tested meeting criteria

Based on the results of the audit, Kentucky State Police Post 16 - Henderson does not meet the standards set by legislation and administrative regulation.

The detailed documentation of the audit with observations and recommendations is attached. The documentation is separated into a report of the software and data used by the PSAP with observations and recommendations; Field Data Report; and Wireless Data Report. Please note that supporting printouts and printed maps are included in the electronic copy of this report.

Sincerely,

Stantec Consulting Services Inc.

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GIS Project Manager
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Attachment: Report Details

c. Files

j:\2008proj\lv2008008_cmrs\merged summary letter.doc

PSAP Mapping Component Summary

PSAP Name Kentucky State Police Post 16 - Henderson

Address 8415 US 41 South **Audit Date** 8/20/2008
City Henderson **Audit Personnel** MCCORMICK
Contact RADIO ROOM SUPERVISOR
Contact Title c/o Post Commander

Software	Version	Vendor
INTERACT GEO 911	5.8	INTERACT

Mapping Layers Used

Road Centerlines: ☒

Point Addresses: ☐

Ortho Photography: ☒

Other Layers: ☒ **Type of 'other' layers used by PSAP:**

The map software is interact Geo 911, the version is 5.8 and the vendor is Interact Public Safety Inc The map has 23 layers: Airport, Heliport, Structure, School, Hospital, Church, Cemetery, Place, Town, Road (route mile markers), Address layers, Railroads, County, Stream, Water, City, Park- wildlife areas, Union County (Image), Ohio County (Image), McLean County (Image), Henderson County (Image), Hancock (Image), Daviess County (Image).

Notes and Observations:

***When plotting the location of an address, the software used by KSP will geocode the location on the centerline. Under the present circumstances, the system does not indicate which side of the centerline segment the address would be located. This is a design issue with the software. According to the software vendor, the ideal setup would utilize both street centerline and point address layers for locating address on the correct side of the segment. KSP Posts utilize only a street centerline layer. With only one data set, the functionality of the software is reduced. Since the interpretation of the KAR is that the software should indicate the side of the segment based on the associated ranges, the software solution currently does not meet the requirements of the audit. KSP has initiated steps to resolve the issue. At the time of this writing, there is no timeframe for implementing the resolution.

Observations and comments; (1) The dispatcher was not immediately familiar on how to enter Lat/Long but was able to find the drop down window in a short time. (2) The dispatcher was not familiar with the "Snatch it" program used at the other KSP Post for copying material on the screen but another dispatcher was able to show the dispatcher how to use it. (3) The Henderson PSAP can not transfer calls to the Post using a 911 line, while Daviess County and Owensboro Police can use 911 line to transfer calls to the Post

The map was last updated in April 2005, the dispatcher did not know the frequency of update, or who supplied the data or who installed the data on the map.

The data was obtained from the map by Alexis McGee and the wireless calls were obtained by Joda Wolf and Bridget Stone